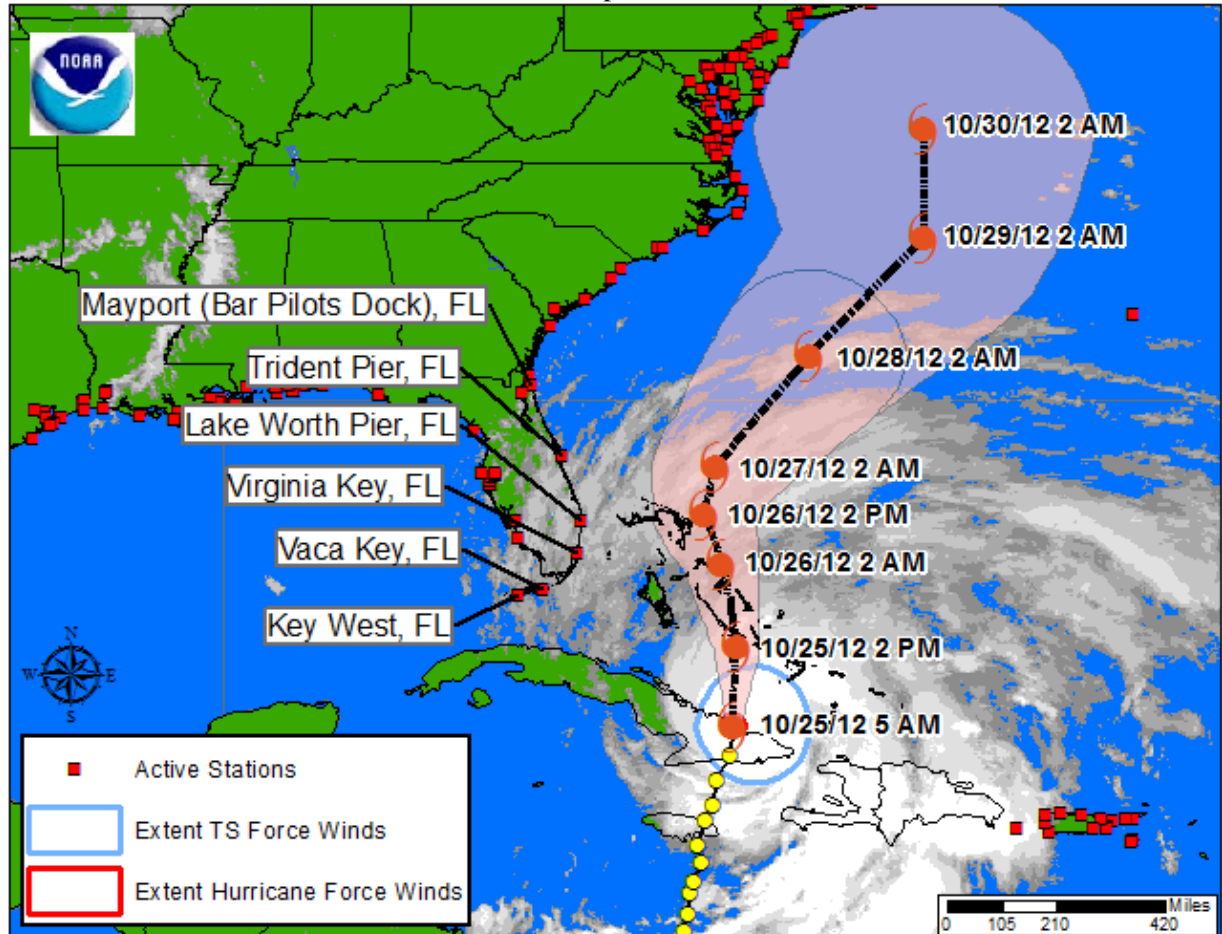




Hurricane SANDY QuickLook
Posted: 06:00 EDT 10/25/2012



NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 10/25/2012 06:00 EDT, water levels from the Florida Keys to Trident Pier, FL are slightly elevated and range between 0.4 and 0.9 feet above tidal predictions. Water levels at Mayport, FL are at or near predicted tide levels. Winds range from 10 to 25 knots, with slightly higher gusts. Barometric pressure is falling across the region.

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

Key West, FL: Next predicted high tides are 1.9 ft (0.58 m) at 10/25/2012 07:42 EDT and 1.9 ft (0.60 m) at 10/25/2012 20:02 EDT.

Vaca Key, FL: Next predicted high tides are 1.0 ft (0.30 m) at 10/25/2012 12:08 EDT and 1.0 ft (0.32 m) at 10/26/2012 00:38 EDT.

Hurricane SANDY QuickLook, POSTED 06:00 EDT 10/25/2012

Virginia Key, FL: Next predicted high tides are 2.6 ft (0.78 m) at 10/25/2012 06:17 EDT and 2.6 ft (0.79 m) at 10/25/2012 18:35 EDT.

Lake Worth Pier, FL: Next predicted high tides are 3.3 ft (0.99 m) at 10/25/2012 17:50 EDT and 3.4 ft (1.06 m) at 10/26/2012 06:21 EDT.

Trident Pier, FL: Next predicted high tides are 4.0 ft (1.22 m) at 10/25/2012 17:29 EDT and 4.2 ft (1.31 m) at 10/26/2012 06:01 EDT.

Mayport (Bar Pilots Dock), FL: Next predicted high tides are 5.4 ft (1.66 m) at 10/25/2012 06:03 EDT and 5.4 ft (1.66 m) at 10/25/2012 18:27 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

SELECT [NATIONAL HURRICANE CENTER](#) ADVISORY INFORMATION:

HURRICANE SANDY ADVISORY NUMBER 12
NWS NATIONAL HURRICANE CENTER MIAMI FL AL182012
500 AM EDT THU OCT 25 2012

...CATEGORY TWO HURRICANE SANDY PREPARING TO MOVE OFF THE NORTHEASTERN COAST OF CUBA...

SUMMARY OF 500 AM EDT...0900 UTC...INFORMATION

LOCATION...20.9N 75.8W
ABOUT 185 MI...300 KM S OF THE CENTRAL BAHAMAS
ABOUT 40 MI...75 KM E OF HOLGUIN CUBA
MAXIMUM SUSTAINED WINDS...105 MPH...165 KM/H
PRESENT MOVEMENT...N OR 5 DEGREES AT 18 MPH...30 KM/H
MINIMUM CENTRAL PRESSURE...960 MB...28.35 INCHES

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING ALONG THE FLORIDA EAST COAST HAS BEEN EXTENDED NORTHWARD TO FLAGLER BEACH.

A TROPICAL STORM WATCH HAS BEEN ISSUED FOR THE NORTHEASTERN FLORIDA COAST FROM FERNANDINA BEACH SOUTHWARD TO NORTH OF FLAGLER BEACH.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- * FLORIDA EAST COAST FROM OCEAN REEF TO FLAGLER BEACH
- * LAKE OKEECHOBEE

A TROPICAL STORM WATCH IS IN EFFECT FOR...

- * FLORIDA EAST COAST FROM NORTH OF FLAGLER BEACH TO FERNANDINA BEACH
- * FLORIDA UPPER KEYS FROM OCEAN REEF TO CRAIG KEY
- * FLORIDA BAY

INTERESTS ELSEWHERE ALONG THE SOUTHEASTERN COAST OF THE UNITED STATES SHOULD MONITOR THE PROGRESS OF SANDY.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND PROPERTY SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED SOMEWHERE WITHIN THE WARNING AREA...IN THIS CASE WITHIN 24 TO 36 HOURS.

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA IN THE UNITED STATES...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE. FOR STORM INFORMATION SPECIFIC TO YOUR AREA OUTSIDE THE UNITED STATES...PLEASE MONITOR PRODUCTS ISSUED BY YOUR NATIONAL METEOROLOGICAL SERVICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 AM EDT THE EYE OF HURRICANE SANDY WAS LOCATED BY NOAA SATELLITES AND CUBAN RADARS ABOUT 185 MI S OF THE CENTRAL BAHAMAS. SANDY IS MOVING TOWARD THE NORTH NEAR 18 MPH AND THIS GENERAL MOTION IS EXPECTED TO CONTINUE TODAY. A TURN TOWARD THE NORTH-NORTHWEST AND A DECREASE IN FORWARD SPEED ARE EXPECTED TONIGHT AND FRIDAY. ON THE FORECAST TRACK...THE CENTER OF SANDY WILL MOVE OFF THE NORTHEASTERN COAST OF CUBA THIS MORNING...MOVE NEAR OR OVER THE CENTRAL BAHAMAS BY TONIGHT...AND MOVE NEAR OR OVER THE NORTHWESTERN BAHAMAS ON FRIDAY.

MAXIMUM SUSTAINED WINDS HAVE DECREASED TO NEAR 105 MPH WITH HIGHER GUSTS. SANDY IS STILL A CATEGORY TWO HURRICANE ON THE SAFFIR-SIMPSON HURRICANE WIND SCALE. GRADUAL WEAKENING IS FORECAST OVER THE NEXT 48 HOURS. HOWEVER...SANDY IS EXPECTED TO REMAIN A HURRICANE AS IT MOVES THROUGH THE BAHAMAS.

HURRICANE-FORCE WINDS EXTEND OUTWARD UP TO 25 MILES FROM THE CENTER...AND TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 140 MILES. AN AIR FORCE RESERVE RECONNAISSANCE AIRCRAFT WILL BE INVESTIGATING THE HURRICANE LATER

THIS MORNING.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 960 MB...28.35 INCHES.

HAZARDS AFFECTING LAND

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED IN THE WARNING AREA ALONG THE EAST COAST OF FLORIDA TONIGHT AND FRIDAY...AND ARE POSSIBLE IN THE WATCH AREA FRIDAY NIGHT.

RAINFALL...SANDY IS EXPECTED TO PRODUCE RAINFALL TOTALS OF 1 TO 3 INCHES ACROSS THE FLORIDA KEYS INTO SOUTHEAST AND EAST CENTRAL FLORIDA.

STORM SURGE...THE COMBINATION OF A DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING DEPTHS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

FLORIDA COAST WITHIN WARNING AREA...1 TO 2 FT

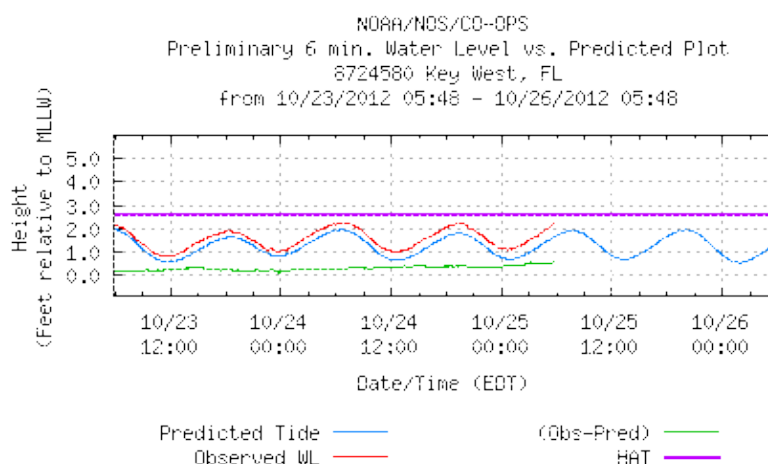
SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL WEATHER OFFICE.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Key West - Water Level](#), [Key West - Barometric](#), [Vaca Key - Water Level](#), [Vaca Key - Winds](#), [Vaca Key - Barometric](#), [Virginia Key - Water Level](#), [Virginia Key - Winds](#), [Virginia Key - Barometric](#), [Lake Worth Pier - Water Level](#), [Lake Worth Pier - Winds](#), [Lake Worth Pier - Barometric](#), [Trident Pier - Water Level](#), [Trident Pier - Winds](#), [Trident Pier - Barometric](#), [Mayport \(Bar Pilots Dock\) - Water Level](#), [Mayport \(Bar Pilots Dock\) - Winds](#), [Mayport \(Bar Pilots Dock\) - Barometric](#),

Key West, FL - Return to List

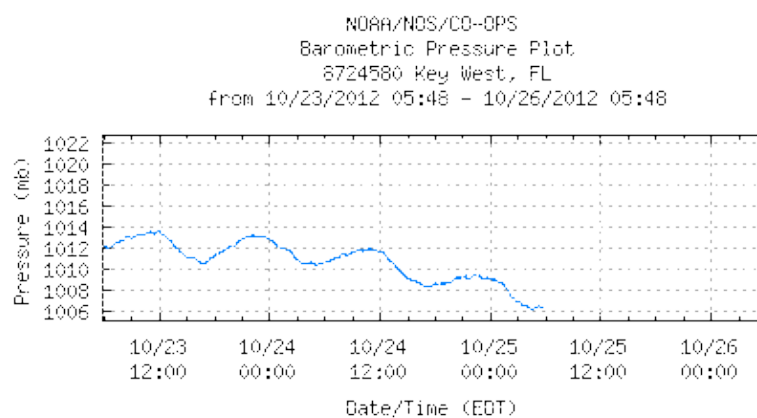


Last Observed Sample: 10/25/2012 05:36 (EDT)

Relative to MLLW: **Observed: 2.20 ft.** **Predicted: 1.63 ft.** **Residual: 0.57 ft.**

Historical Maximum Water Level: Oct 24 2005, 3.14 ft. above MHHW

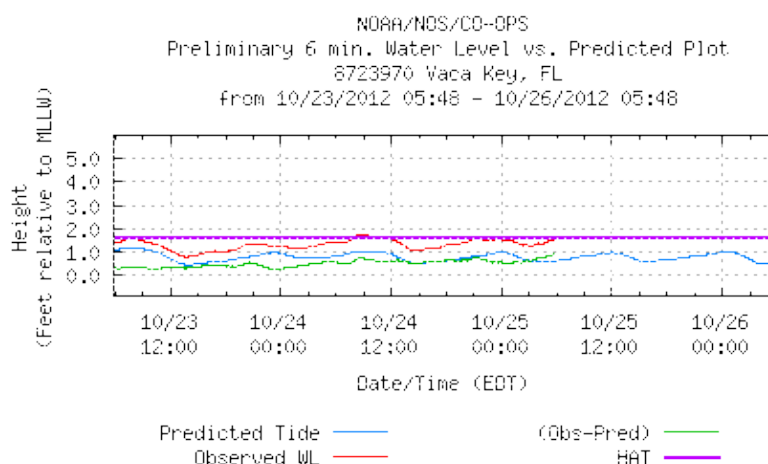
Key West, FL - Return to List



Last Observed Sample: 10/25/2012 05:36 (EDT)

Barometric Pressure: 1006.2 mb

Vaca Key, FL - Return to List

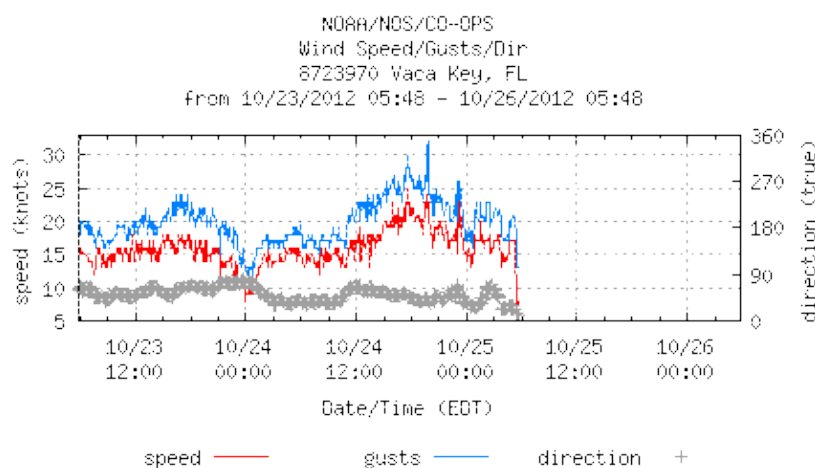


Last Observed Sample: 10/25/2012 05:36 (EDT)

Relative to MLLW: **Observed: 1.54 ft.** **Predicted: 0.63 ft.** **Residual: 0.91 ft.**

Historical Maximum Water Level: Oct 24 2005, 5.8 ft. above MHHW

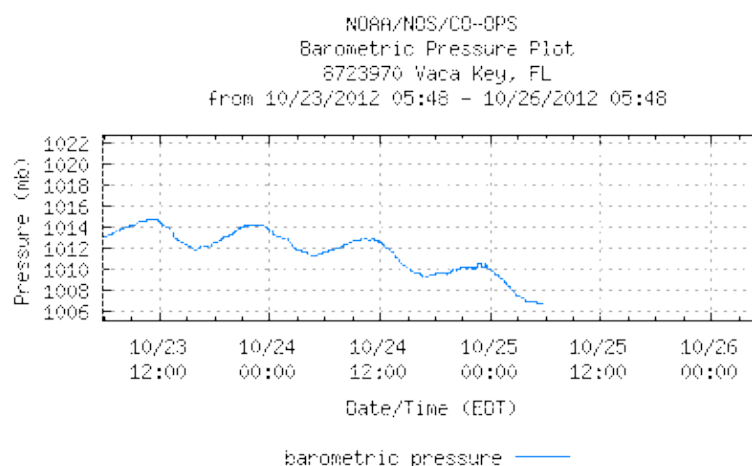
Vaca Key, FL - Return to List



Last Observed Sample: 10/25/2012 05:36 (EDT)

Wind Speed: 8 knots **Gusts: 13 knots** **Direction: 12° T**

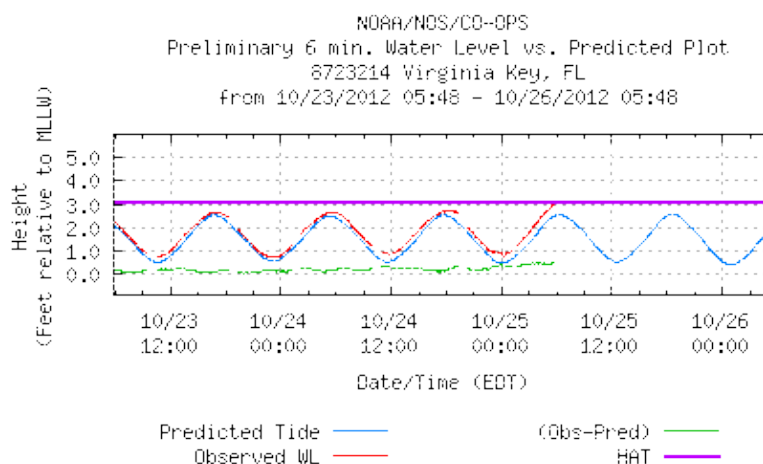
Vaca Key, FL - Return to List



Last Observed Sample: 10/25/2012 05:36 (EDT)

Barometric Pressure: 1006.6 mb

Virginia Key, FL - Return to List

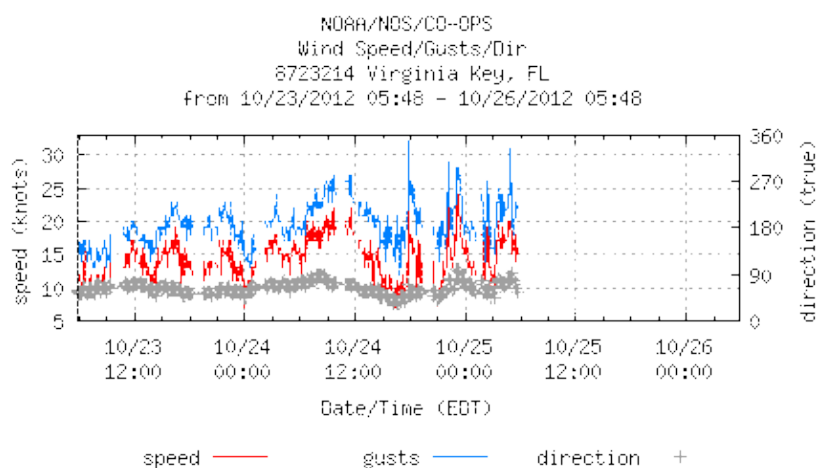


Last Observed Sample: 10/25/2012 05:36 (EDT)

Relative to MLLW: **Observed: 2.96 ft.** **Predicted: 2.47 ft.** **Residual: 0.49 ft.**

Historical Maximum Water Level: Oct 24 2005, 2.58 ft. above MHHW

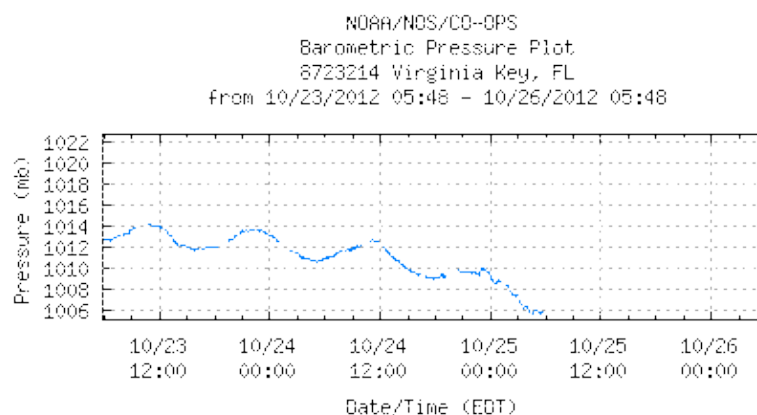
Virginia Key, FL - Return to List



Last Observed Sample: 10/25/2012 05:36 (EDT)

Wind Speed: 16 knots Gusts: 22 knots Direction: 54° T

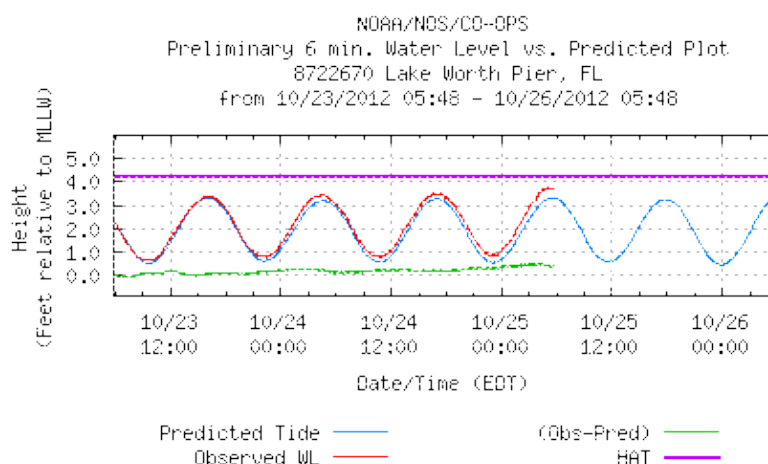
Virginia Key, FL - Return to List



Last Observed Sample: 10/25/2012 05:36 (EDT)

Barometric Pressure: 1005.7 mb

Lake Worth Pier, FL - Return to List

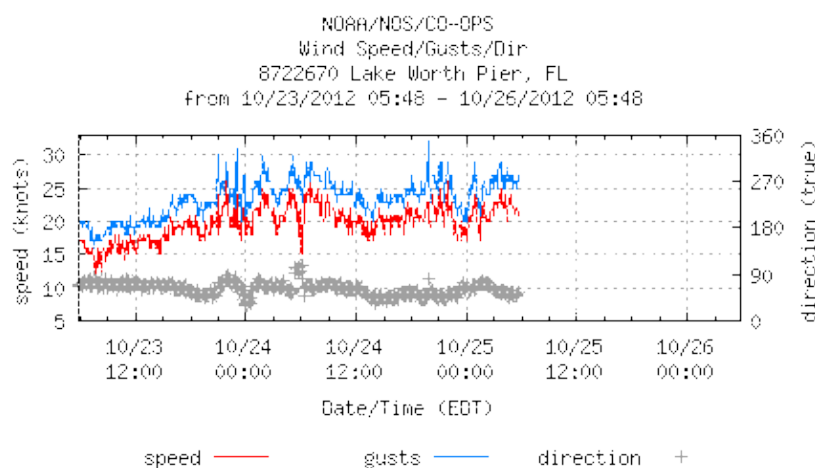


Last Observed Sample: 10/25/2012 05:36 (EDT)

Relative to MLLW: **Observed: 3.72 ft.** **Predicted: 3.31 ft.** **Residual: 0.41 ft.**

Historical Maximum Water Level: Nov 23 1984, 1.88 ft. above MHHW

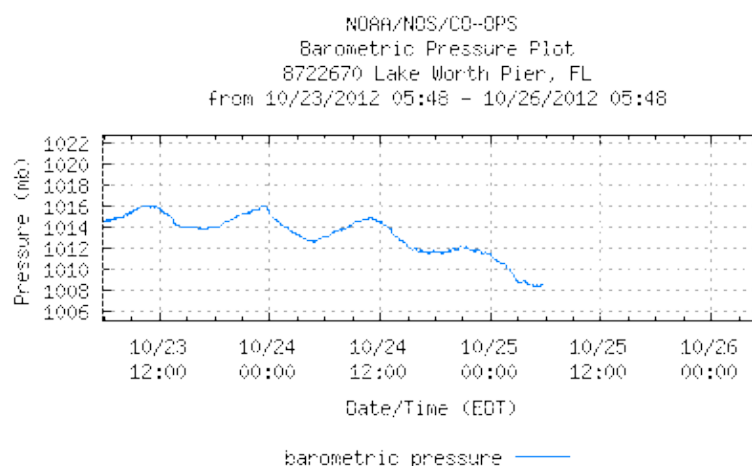
Lake Worth Pier, FL - Return to List



Last Observed Sample: 10/25/2012 05:36 (EDT)

Wind Speed: 21 knots **Gusts: 27 knots** **Direction: 55° T**

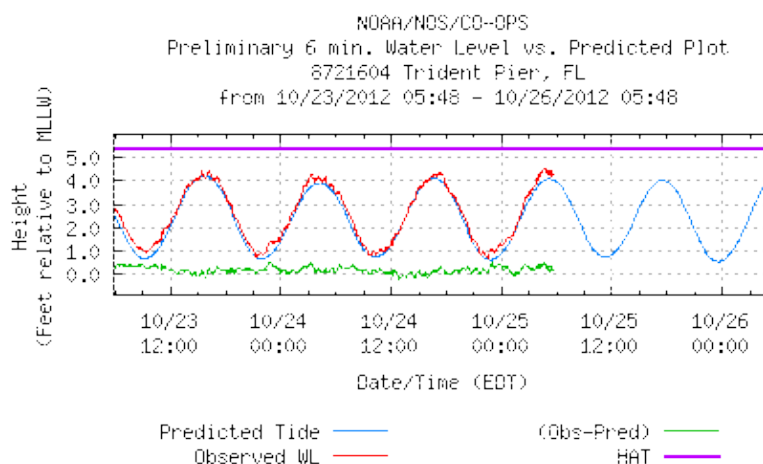
Lake Worth Pier, FL - Return to List



Last Observed Sample: 10/25/2012 05:36 (EDT)

Barometric Pressure: 1008.4 mb

Trident Pier, FL - Return to List

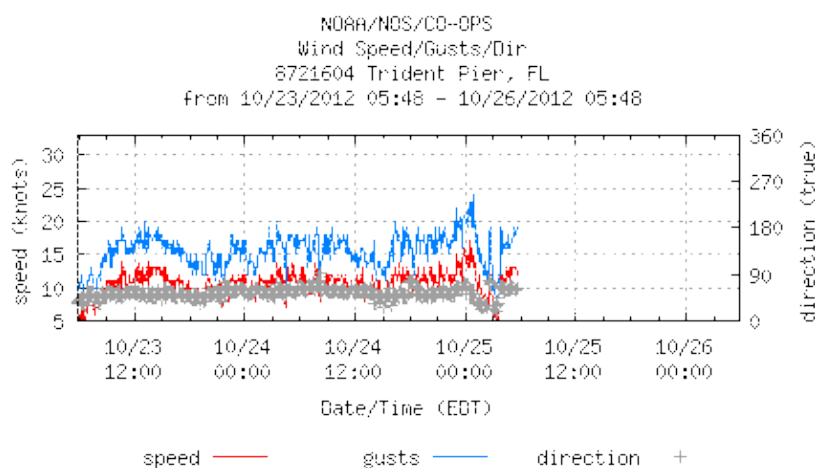


Last Observed Sample: 10/25/2012 05:36 (EDT)

Relative to MLLW: **Observed: 4.26 ft.** **Predicted: 4.04 ft.** **Residual: 0.22 ft.**

Historical Maximum Water Level: Sep 26 2004, 4.01 ft. above MHHW

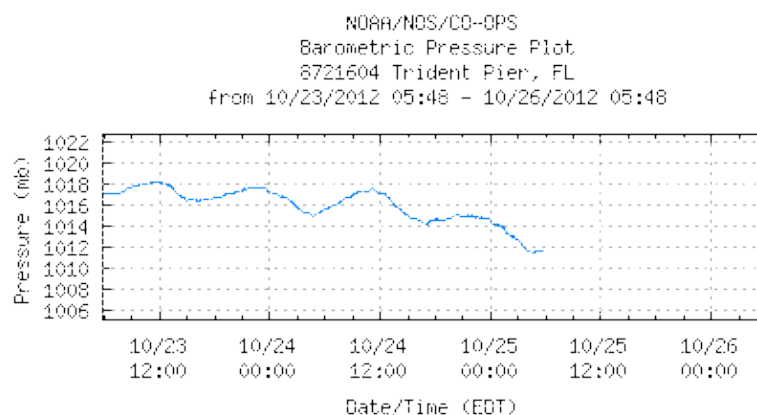
Trident Pier, FL - Return to List



Last Observed Sample: 10/25/2012 05:36 (EDT)

Wind Speed: 12 knots Gusts: 19 knots Direction: 62° T

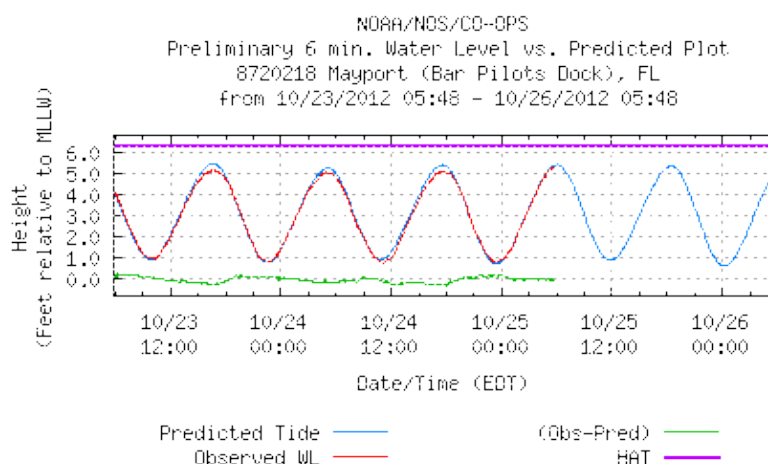
Trident Pier, FL - Return to List



Last Observed Sample: 10/25/2012 05:36 (EDT)

Barometric Pressure: 1011.5 mb

Mayport (Bar Pilots Dock), FL - Return to List

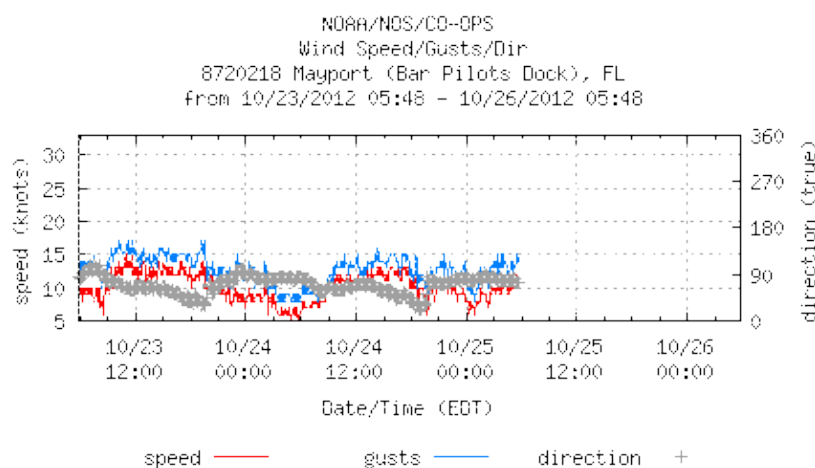


Last Observed Sample: 10/25/2012 05:36 (EDT)

Relative to MLLW: **Observed: 5.27 ft.** **Predicted: 5.37 ft.** **Residual: -0.10 ft.**

Historical Maximum Water Level: Sep 27 2004, 2.47 ft. above MHHW

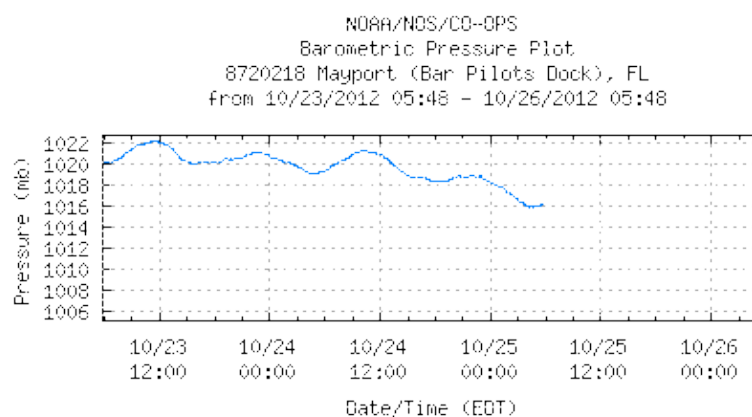
Mayport (Bar Pilots Dock), FL - Return to List



Last Observed Sample: 10/25/2012 05:36 (EDT)

Wind Speed: 11 knots **Gusts: 14 knots** **Direction: 74° T**

Mayport (Bar Pilots Dock), FL - [Return to List](#)



Last Observed Sample: 10/25/2012 05:36 (EDT)

Barometric Pressure: 1016.1 mb

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce